

The Latest Office Features in Nextcloud Hub

Michael Meeks (Collabora Productivity)

September 16 - 17, 2023 • Berlin, Germany





Michael Meeks

General Manager, Collabora Productivity

Founder, The Document Foundation

25+ years of Open Source contribution



Michael Meeks General Manager Collabora Productivity @michael_meeks

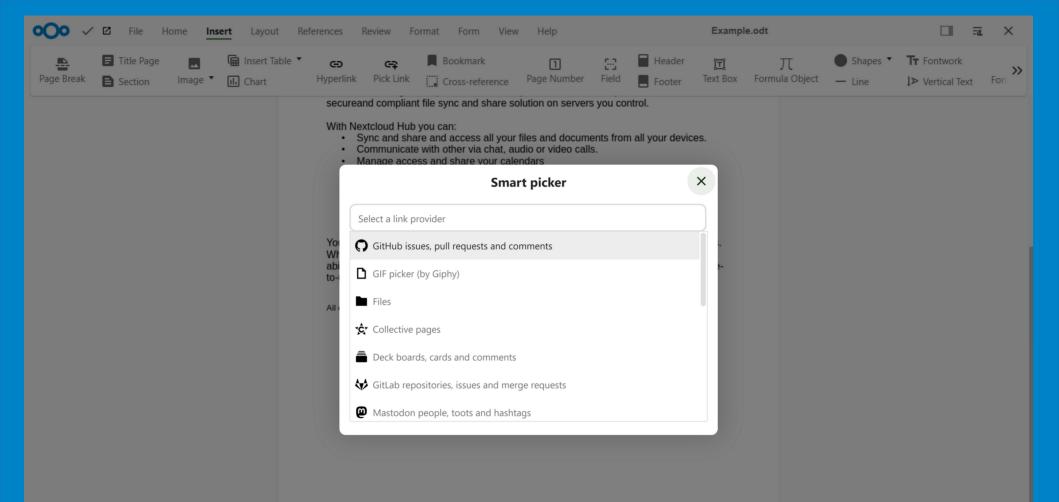




SmartPicker

Pick Smartly !







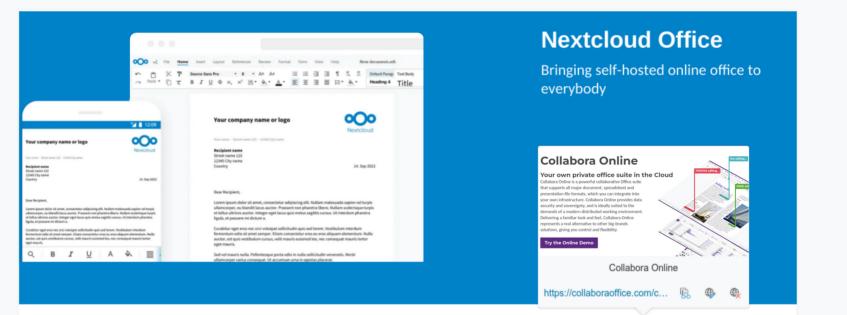
Smart Picker: Deep linking into documents

A uniquely powerful integration ...

Link to office document section	×
Headings	
1.GENERAL INFORMATION	
1.1 Purpose	
1.2 Scope	
1.3 System Overview	
1.4 Project References	
1.5 Acronyms and Abbreviations	
1.6 Points of Contact	
1.6.1 Information	
1.6.2 Coordination	
2.DATA DESCRIPTION	Link to office document section



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Why Nextcloud Office?

Nextcloud Office is built together with <u>Collabora Productivity</u>. Nextcloud Office is a powerful online office suite with collaborative editing. It supports all major document, spreadsheet and presentation file formats and works in all modern browsers.



High fidelity WYSIWYG

Data under vour control

Well integrated



Meeting notes - 2023-03-17

Participants: Christine Schott, Leon Green, Nina Sun, Sandra McKinney

Location: Meeting room, Main Office, Berlin, Germany

Agenda

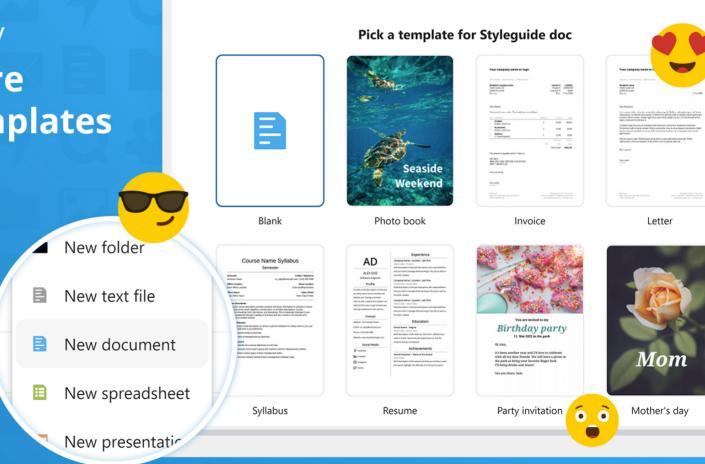
- Release marketing
- Feature status
- Keynote

Action Items

- Take screenshots @Christin
- Record videos
 Christine Alberts
 Christine Schott

Thanks to our community

Now even more document templates with Hub 5



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Personal

- Personal info
- Security
- **Notifications**
- External storage
- Mobile & desktop
- < Sharing
- Appearance and accessibility
- Groupware
- Flow ↔
- Privacy S.
- Office

Extra fonts

Upload extra font file

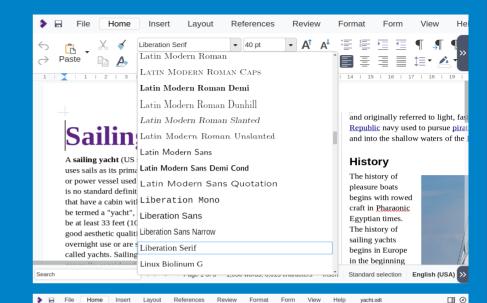
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Font Previews

You can now see a preview of fonts to see what they look like before selecting it in the drop down box.



Sailing yacht

A sailing yacht (US ship prefixes SY or S/Y), is a leisure craft that uses sails as its primary means of propulsion. A yacht may be a sail or power vessel used for pleasure, cruising, or racing.[1][2][3] There is no standard definition, so the term applies here to sailing vessels that have a cabin with amenities that accommodate overnight use. To be termed a "yacht", as opposed to a "boat", such a vessel is likely to be at least 33 feet (10 m) in length and have been judged to have good aesthetic qualities.[4] Sailboats that do not accommodate overnight use or are smaller than 30 feet (9.1 m) are not universally called yachts. Sailing yachts in excess of 130 feet (40 m) are generally considered to be superyachts.[5]

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Sailing vachts are actively used in sport and are among categories recognized by the governing body of sailing sports, World Sailing.[6]

Etymology

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Hide / Show Slides in Impress

Impress supports hiding and showing slides on the Slide Pane by right clicking and choosing 'Hide Slide' or 'Show Slide'. They will then shown or hidden throughout the full screen presentation.







Typographical Editing

New optional hyphenation settings are available to give rules for adjusting text flow. You can now limit hyphenation within paragraphs, set a minimum word length for hyphenation and opt to not hyphenate the last word of a paragraph.

Thanks to László Németh, NISZ.

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Paragraph Lists

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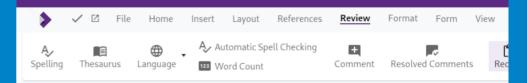


Change Tracking in Numbered Lists

When making changes within numbered lists, the numbering has now been fixed to show actual and original numbers within the document.

Thanks to László Németh, NISZ.

Search



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Table Style Design

You can now modify table styles and create new ones in Impress and Draw. Modified styles are saved into documents, and can be shared via templates. You can access this function by right-clicking on a design in the Table Design Sidebar panel.

Thanks to Maxim Monastirsky

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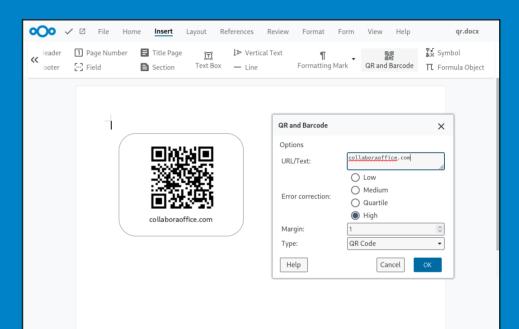




QR code generation

Bringing the existing LibreOffice technology's QR code functionality to your browser:

Thanks to Shubham Goyal and Google Summer of Code





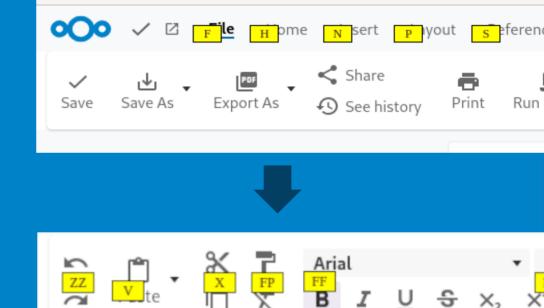


Accessibility Features

Bringing the goodness to everyone



Keyboard Accelerators



Clearer overlays.

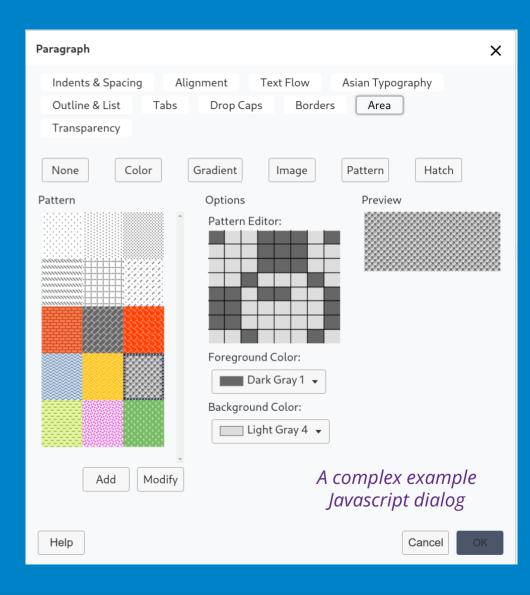
A better toolbar and overlay functions have been added to the keyboard accelerator function. Holding down the 'Alt' key will highlight options for learnability.





JS-Dialogs – Screen Reader Functionality

Screen readers can now access menus, toolbars and dialogs. Many more of our ~thousand dialogs are rendered on the client side using Javascript, HTML widgets with WebARIA annotation.





Navigator

Navigator functionality will now be viewable in the sidebar, allowing you to jump to each section by simply clicking the headings.

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Sailing yacht

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Etymology

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the Dutch word jacht (pl.

and originally referred to light, fast sailing yess Republic navy used to pursue pirates and other and into the shallow waters of the Low Countrie

History The history of pleasure boats begins with rowed

craft in Pharaonic Egyptian times. The history of sailing yachts begins in Europe in the beginning of the 1600s with the building of a pleasure vessel for the son of King James I of England, Pleasure vessels acquired the name vacht

Cruising yachts Early explorers Racing yachts The International Offshore Racing Source and photo's Tables Frames after the time of Charles II, who spent time exile visited the Netherlands, where a variety of jacht ✓ → Images developed as pleasure boats for the elite classes s of the 17th century. Upon his restoration to the E Yacht Charles commissioned a series of royal yachts, y least one experimental catamaran. The first reco Ship between two vessels occurred in 1661, followed Ocean sailing competition in 1663 in English waters.[8]

Navigator

Sailing yacht

Etymology

Evolution of design

✓ History

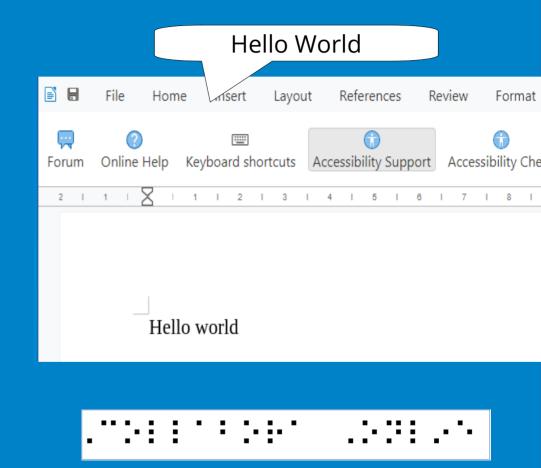




Initial Screen Reading support

Designed to assist users with visual impairments, this feature will unlock a world of possibilities, ensuring everyone can participate fully in online collaboration.

This is an initial proof of concept, that will be developed through the 23.05 lifetime.







Screen reading for (nested) tables

Giving users row/column count, indexes as they navigate and span information, leaving tables.

Handling nested tables too.

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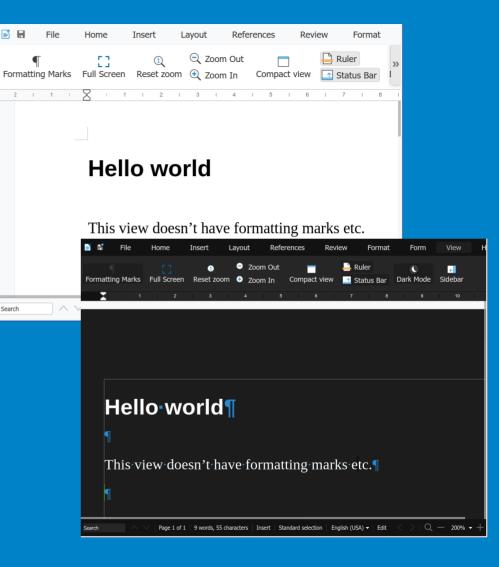


Dark Mode + View Settings

Accessibility and more options.

Per view settings, allows us to render views differently – including various options such as showing non-printing characters or spell checking underlines in different views, in addition to Dark Mode.

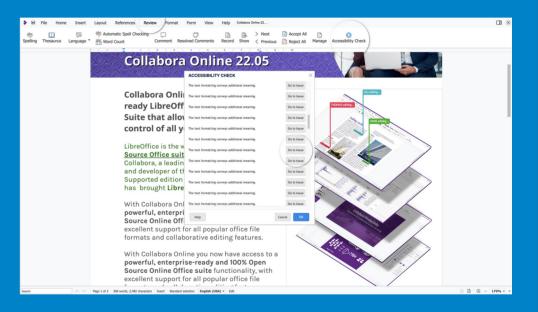




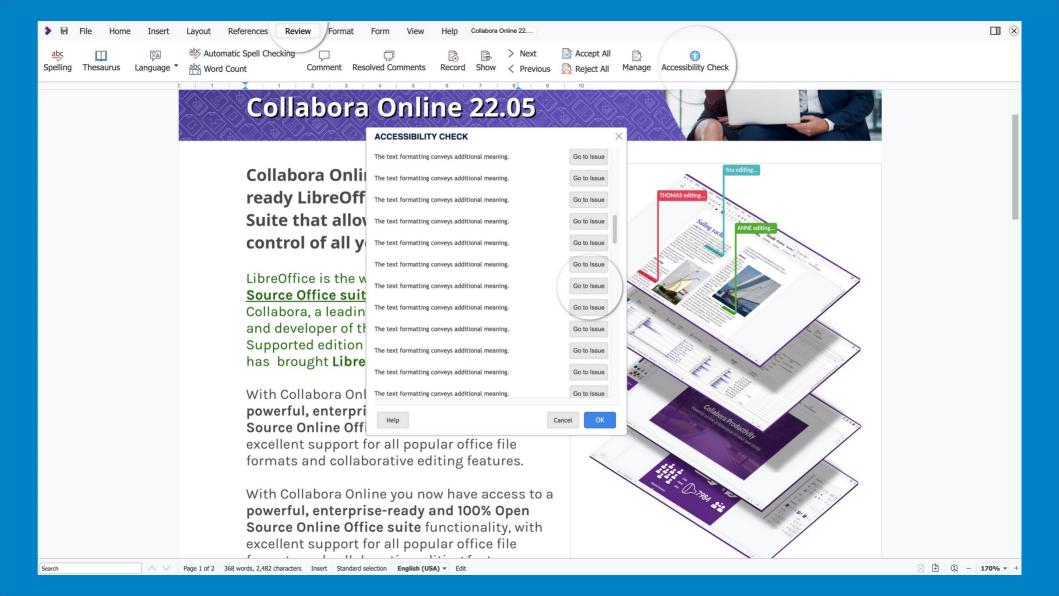


Built in Accessibility checker

Discover and fix accessibility problems in your documents before publishing them, and before your users suffer them.









PDF/UA Export

Generating accessible PDFs.

Tagged PDF, PDF forms, Universal Accessibility for PDFs, and many more options when exporting available in last year.

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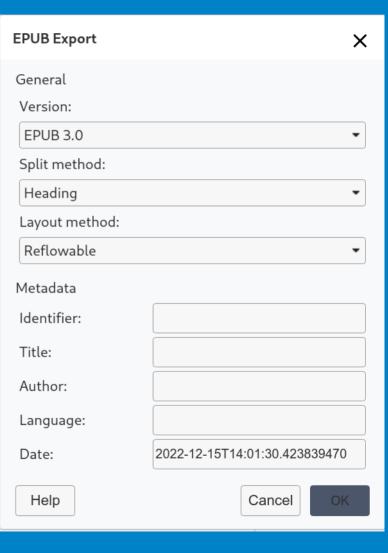




EPUB Export

Generating electronic books.

Ideal for accessible book readers, as well as many other use-cases.







Performance wins

Better, faster, smaller, snappier



A faster, slicker experience

Profiling, and improving things on the 23.05 base

- Memory trimming on idle: cleans caches and frees up memory
- Swap out compressed image data as well as uncompressed
- Faster load of large spreadsheets
- Significantly reduced re-rendering (even more pending)
- Style re-thumbnailing redux

- Improved tile pre-loading (with more caching work queued)
- Clamp over-sizing of threads
- Accelerated transparent text rendering
- Avoid background whole document renders
- RLE tile encoding (pending)





Memory Optimization

Less memory used effectively.

Run-length encoding delta cache makes it far smaller and faster to use. Compressed image data swapping to reduce footprint. Trimming caches & allocators on idle. Larger compressed browser-side tile cache. Monotonic timestamp cache synchronization & expiry.







CPU Optimization

Saving power, and going faster.

Reduced invalidation & re-rendering. Improved user prediction & pre-loading for better latency. Accelerated style previewing & thumbnailing. Optimized pixel manipulation & un-premultiplication. Accelerated scrolling & Javascript rendering.

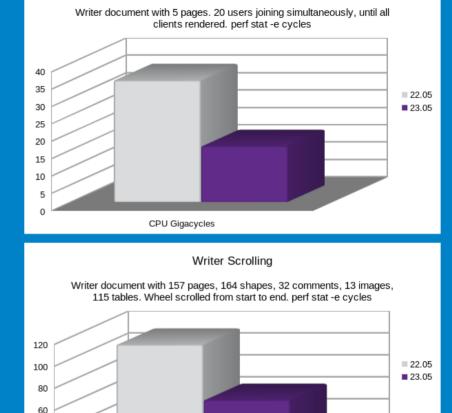






Performance Tuning

Much faster for many operations – for example – multiple users to join a shared Writer document and scroll through a long, heavy Writer document. Joining Writer Shared Document



Smaller is better!

CPU Gigacycles

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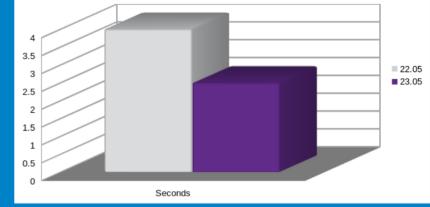


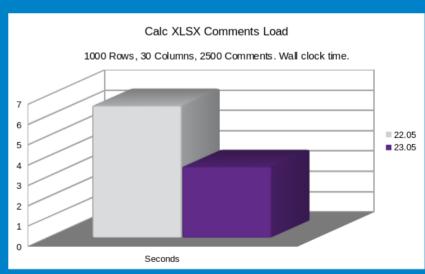
Performance Tuning

Reduced time to load graphic heavy Impress slide decks, and comment heavy Calc spreadsheets.

Impress Full Screen Presentation Generation

60 graphics heavy slides. Wall clock time.









New Interoperability Features

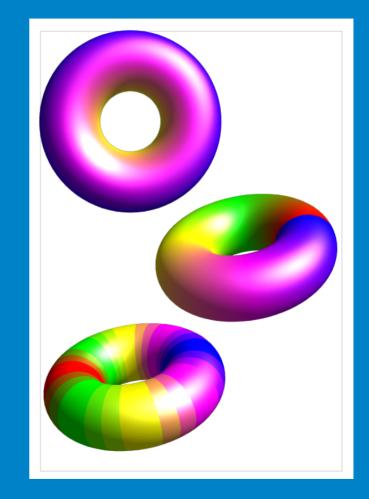




Multi-Stop Gradients

Improved rendering

The renderer has been enhanced and can now handle even more complex gradients. You can now turn up the visual appeal of your document by incorporating multistop gradients into shapes, borders, and other elements.



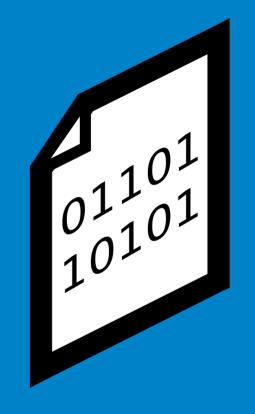




64bit Zip Support

Handling huge data sets.

The Zip64 standard extends numerous internal limitations in the XLSX and ODS formats used to compress documents. Editing and working with huge spreadsheets is now possible.



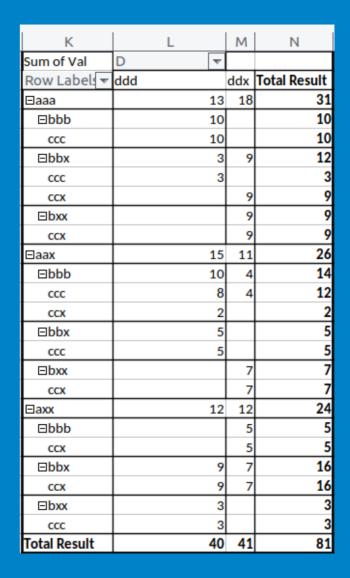




Compact Pivot Tables

Calc spreadsheets

Preserve the compact view and layout of Pivot Tables created in Excel with a more compact layout avoiding the possibility of incorrect cell references.







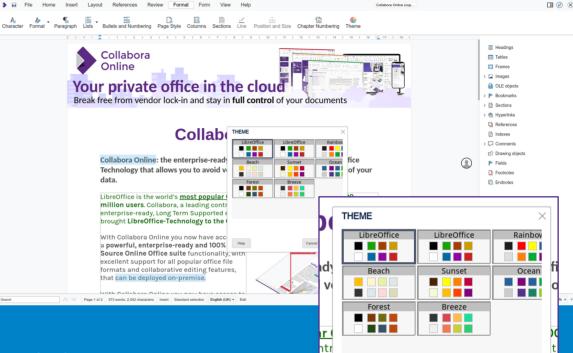
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Document Themes



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Controlling branding.

Document themes can be configured and applied to a whole document to easily change and repurpose the appearance, giving it a consistent style and branding.

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Title Subtitle

1. Heading 1 – 1 / Paragraph Color

Eodcasting operational change management inside of workflows to establish a framework. Taking seamless key performance indicators offing to maximise the long tail. Keeping your eye on the ball while performing a deep dive on the start-up mentality to derive convergence on cross-platform integration.

1.1 Heading 2 - 1

Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.

1.1.1 Heading 3

Bring to the table win-win survival strategies to ensure proactive domination. At the end of the day, going forward, a new normal that has evolved from generation X is on the runway heading towards a streamlined cloud solution. User generated content in real-time will have multiple touchpoints for offshoring.

1.2 Heading 2 - 2

Capitalize on low hanging fruit to identify a ballpark value-added activity to beta test. Override the digital divide with additional <u>clickthrough</u> from <u>DevOps</u>. Nanotechnology immersion along the information highway will close the loop on focusing solely on the bottom line. Title

Subtitle



Subtitle

1. Heading 1 – 1 / Paragraph Color

Podcasting operational change management inside of workflows to establish a framework. Taking seamless key performance indicators <u>offlig</u> to *maximise* the long tail. Keeping your eye on the ball while performing a deep dive on the start-up mentality to derive convergence on cross-platform integration.

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Bring to the table win-win survival strategies to ensure proactive domination. At the end of the day, going forward, a new normal that has evolved from generation X is on the runway heading towards a streamlined cloud solution. User generated content in real-time will have multiple tuschpoints for offshoring.

1.2 Heading 2 - 2

Capitalize on low hanging fruit to identify a ballpark value-added activity to beta test. Override the digital divide with additional <u>slickthrough</u> from <u>DevOps</u>. Nanotechnology immersion along the information highway will close the loop on focusing solely on the bottom line.

What?

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1. Heading 1 - 1 / Paragraph Color

<u>Podcasting</u> operational change management inside of <u>workflows</u> to establish a framework. Taking seamless key performance indicators <u>offligg</u> to *maximise* the long tail. Keeping your eye on the ball while performing a deep dive on the start-up mentality to derive convergence on cross-platform integration.

1.1 Heading 2 - 1

Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. **Organically** grow the holistic world view of disruptive innovation via workplace diversity and empowerment.

1.1.1 Heading 3

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Bring to the table win-win survival strategies to ensure proactive domination. At the end of the day, going forward, a new normal that has evolved from generation X is on the runway heading towards a streamlined cloud solution. User generated content in real-time will have multiple touchpains for offshoring.

1.2 Heading 2 - 2

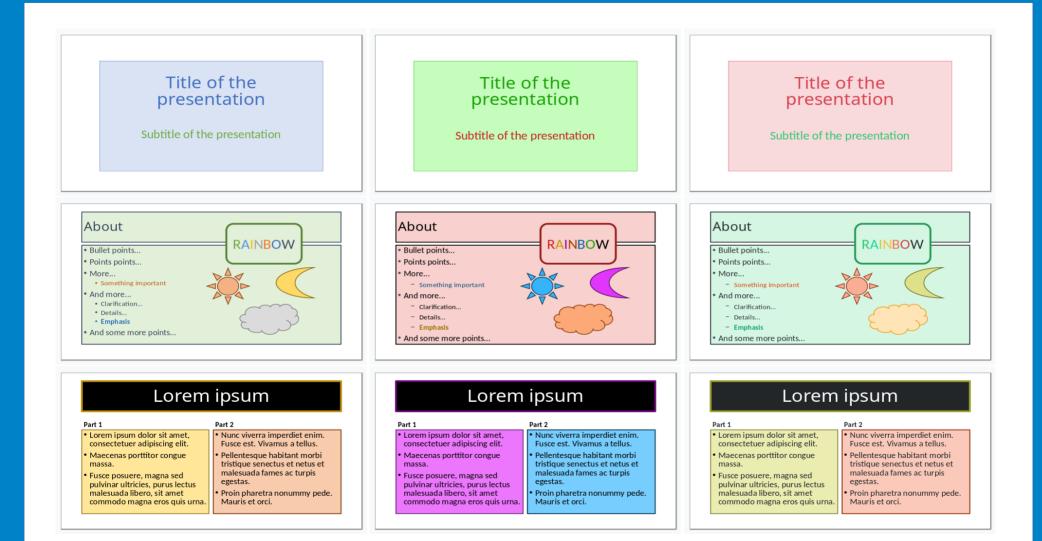
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Multi-page Floating Tables

Significantly improves interoperability with tables that have been accidentally floated by users, and that span multiple pages.

Lots of mis-designed Government forms – where tables are used for rendering borders are improved, and rendered better.

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New Usability Features





Ergonomic Improvements

Example a simple dialog to insert page numbers:

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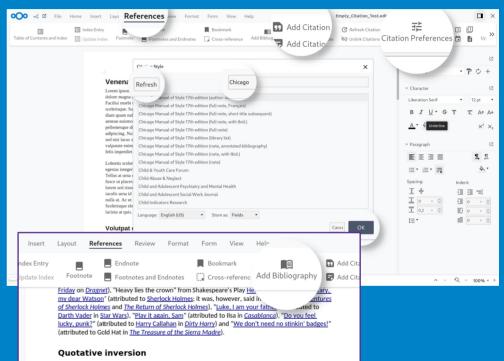
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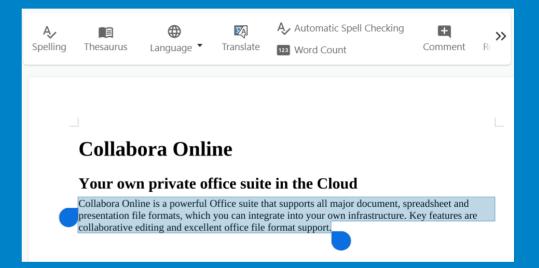




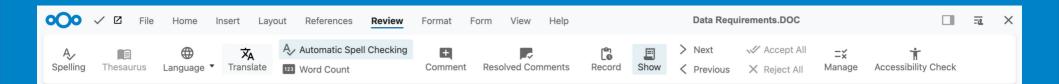


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1.0 General Information

1.6 Points of Contact

1.6.1 Information

Provide a list of the points of organizational contact (POCs) that may be needed by the document user for informational and troubleshooting purposes. Include type of contact, contact name, department, telephone number, and e-mail address (if applicable). Points of contact may include, but are not limited to, helpdesk POC, development/maintenance POC, and operations POC.

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Provide a list of organizations that require coordination between the project and its specific support function (e.g., installation coordination, security, etc.). Include a schedule for coordination activities.

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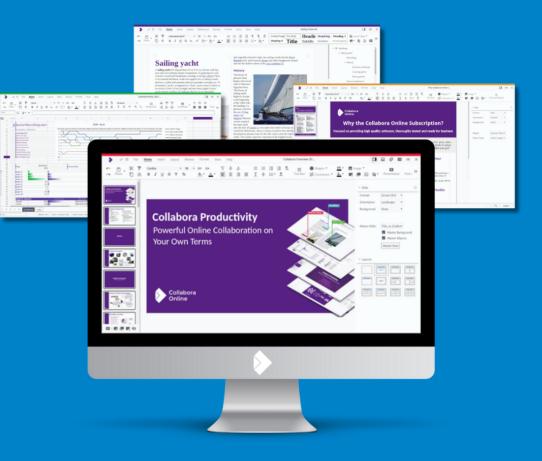






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Thank you!



Michael Meeks General Manager Collabora Productivity @michael_meeks

